

**In the Abstract:**

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## Abstract of the Disclosure

A control system for controlling one or more manipulators. One or more drives control motors driving the movements of the manipulator. An axis computer provides control signals to the drives. A main computer is adapted to execute a program with instructions for the movements and supplies the axis computer with control instructions. Physically separated modules are adapted to be placed at separated locations and to handle different functions. Each module may be surrounded by a casing of its own, may have its own power supply and has a well-defined interface in relation to the other modules. The computers and drives are arranged in the modules. One of the modules is a main computer module, which comprises the main computer. Another of the modules is a drive module, which comprises the axis computer.